Listing of Claims

1. (Previously Presented) A computer-implemented method comprising:

synchronizing existing target inventory location information with source inventory location information, wherein

the existing target inventory location information is stored in a target inventory location record at a target system,

the source inventory location information is stored at a plurality of source systems,

the plurality of source systems are ones of a plurality of computer systems,

the target system is another of the plurality of computer systems, and

the synchronizing comprises

extracting the source inventory location information from a plurality of source inventory location records, wherein

at least one of the plurality of source inventory location records is extracted from a first source system,

at least one of the plurality of source inventory location records is extracted from a second source system,

the source inventory location information from each of the plurality of source inventory location records is in one of a plurality of source formats, and

each one of the plurality of source formats corresponds to at least one of the plurality of source systems,

generating intermediate source inventory location information by
converting the source inventory location information into an intermediate format, wherein
the converting the source inventory location information into the intermediate format comprises
determining whether an intermediate record exists, wherein
the intermediate record is associated with the source inventory location information,
if the intermediate record exists, accessing a common object, wherein
the common object is associated with the intermediate record,
if the intermediate record does not exists, creating the intermediate record and the common object, and
mapping the source inventory location information to the common object, and
after the converting, the common object comprises the intermediate source inventory location information,
converting the intermediate source inventory location information into target inventory location information, wherein
the target inventory location information is in a target format, and
the target format corresponds to the target system, and
updating the target inventory location record using the target inventory location information.

2. (Previously Presented) The method of Claim 1, further comprising:
using the target inventory location information in the target format to
create a target inventory location record in the target system if the target inventory location record does not exist.

3. (Previously Presented) The method of Claim 1, further comprising:

extracting inventory location information in a second source format that is associated with a second source system that is distinct from the first source system, wherein

the second source system is one of the plurality of source systems;

converting the inventory location information in the second source format into inventory location information that is in the intermediate format;

converting the inventory location information in the intermediate format into inventory location information in the target format; and

using the inventory location information in the target format to perform at least one computer-implemented act from a set of computer-implemented acts comprising:

creating a new inventory location record in the target computerized inventory management system; and

updating an existing inventory location record in the target computerized inventory management system.

4. (Previously Presented) The method of Claim 1, wherein

from the at least one of the plurality of source inventory location records from the first source system, the extracting extracts less than all first source system inventory location information, and

from the at least one of the plurality of source inventory location records from the second source system, the extracting extracts less than all second source system inventory location information.

5. (Previously Presented) The method of Claim 1, wherein

the intermediate format comprises a list of inventory locations class with a hierarchy of data elements,

the hierarchy of data elements comprises a plurality of inventory location elements, and

each of the plurality of inventory location elements comprises:

an identifier for identifying the inventory location element,

a base data element for defining:

a location description,

a location name, and

a location type code ,

a list of addresses element for defining a plurality of address elements from a party class,

a list of related business units elements for defining a plurality of business units associated with the inventory, and wherein each of the plurality of business units associated with the inventory comprises an identifier element,

a list of related inventory locations for defining a plurality of related inventory locations, and

a custom data element for defining customized attributes for the inventory.

6. (Previously Presented) The method of Claim 5, wherein each of the plurality of address elements comprises:

an address identifier element;

an address base data element, wherein

the address data cleansing data element comprises a disable cleansing flag element;

an address data cleansing data element;

an address relationship data element; and

an address custom data element.

7. (Previously Presented) The method of Claim 6, wherein the address relationship data element comprises:

an address effective end date element;

an address occupancy type code element;

an address effective start date element;

an address type code element; and

an address list of roles element.

8. (Previously Presented) The method of Claim 5, wherein each of the plurality of related inventory locations comprises a related inventory location identifier element and a related inventory location type code element.

9. (Previously Presented) A non-transitory computer-readable storage medium storing one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:

synchronizing existing target inventory location information with source inventory location information, wherein

the existing target inventory location information is stored in a target inventory location record at a target system,

the source inventory location information is stored at a plurality of source systems,

the plurality of source systems are ones of a plurality of computer systems,

the target system is another of the plurality of computer systems, and

the synchronizing comprises

extracting the source inventory location information from a plurality of source inventory location records, wherein

at least one of the plurality of source inventory location records is extracted from a first source system,

at least one of the plurality of source inventory location records is extracted from a second source system,

the source inventory location information from each of the plurality of source inventory location records is in one of a plurality of source formats, and

each one of the plurality of source formats corresponds to at least one of the plurality of source systems,

generating intermediate source inventory location information by
converting the source inventory location information into an intermediate format, wherein
the converting the source inventory location information into the intermediate format comprises
determining whether an intermediate record exists, wherein
the intermediate record is associated with the source inventory location information,
if the intermediate record exists, accessing a common object, wherein
the common object is associated with the intermediate record,
if the intermediate record does not exists, creating the intermediate record and the common object, and
mapping the source inventory location information to the common object, and
after the converting, the common object comprises the intermediate source inventory location information,
converting the intermediate source inventory location information into target inventory location information, wherein
the target inventory location information is in a target format, and
the target format corresponds to the target system, and
updating the target inventory location record using the target inventory location information.

10. (Previously Presented) The non-transitory computer-readable storage medium of Claim 9, further comprising:
using the target inventory location information in the target format to
create the target inventory location record in the target system if the target inventory location record does not exist.

11. (Previously Presented) The non-transitory computer-readable storage medium of Claim 9, further comprising:

extracting inventory location information in a second source format that is associated with a second source system that is distinct from the first source system, wherein

the second source system is one of the plurality of source systems;

converting the inventory location information in the second source format into inventory location information that is in the intermediate format;

converting the inventory location information in the intermediate format into inventory location information in the target format; and

using the inventory location information in the target format to perform at least one computer-implemented act from a set of computer-implemented acts comprising:

creating a new inventory location record in the target computerized inventory management system; and

updating an existing inventory location record in the target computerized inventory management system.

12. (Presently Presented) The non-transitory computer-readable storage medium of Claim 9, wherein the intermediate format comprises a list of inventory locations class with a hierarchy of data elements.

13. (Previously Presented) The non-transitory computer-readable storage medium of Claim 12, wherein the hierarchy of data elements comprises a plurality of inventory location elements comprising additional elements.

14. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises an identifier for identifying the inventory location element.

15. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a base data element for defining:

a location description;

a location name; and

a location type code.

16. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of addresses element for defining a plurality of address elements from a party class.

17. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related business units elements for defining a plurality of business units associated with the inventory.

18. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related inventory locations for defining a plurality of related inventory locations.

19. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a custom data element for defining customized attributes for the inventory.

20. (Previously Presented) The non-transitory computer-readable storage medium of Claim 16, wherein each of the plurality of address elements comprises:

an address identifier element;

an address base data element;

an address data cleansing data element;

an address relationship data element; and

an address custom data element.

21. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address data cleansing data element comprises a disable cleansing flag element.

22. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address relationship data element comprises:

an address effective end date element;

an address occupancy type code element;

an address effective start date element;

an address type code element; and

an address list of roles element.

23. (Previously Presented) The non-transitory computer-readable storage medium of Claim 17, wherein each of the plurality of business units associated with the inventory comprises an identifier element.

24. (Previously Presented) The non-transitory computer-readable storage medium of Claim 18, wherein each of the plurality of related inventory locations comprise a related inventory location identifier element and a related inventory location type code element.

25-32. Canceled.

33. (Previously Presented) A computer-implemented method comprising:

synchronizing target inventory location information with source inventory location information, wherein

the synchronizing comprises

extracting each of a plurality of source inventory location objects from a corresponding one of a plurality of source inventory location systems, wherein

the source inventory location objects comprise the source inventory location information,

at least one of the plurality of source inventory location objects is extracted from a first source system of the plurality of source inventory location systems,

at least one of the plurality of source inventory location objects is extracted from a second source system of the plurality of source inventory location systems,

each of the plurality of source inventory location systems employs a corresponding one of a plurality of source formats,

each of the plurality of source inventory location objects is stored in a source format of the source formats employed by the corresponding one of the plurality of source inventory location systems, and

the plurality of source systems are ones of a plurality of computer systems,

generating intermediate source inventory location information, wherein

the intermediate source inventory location information is in an intermediate format,

the generating comprises

converting the each of the source inventory location objects into a corresponding one of the plurality of common objects, wherein

the converting the each of the source inventory location objects into the corresponding one of the plurality of common objects comprises

determining whether each corresponding intermediate record exists, wherein

the each corresponding intermediate record is associated with the each of the source inventory location objects,

if the each corresponding intermediate record exists, accessing each corresponding common object out of the plurality of common objects, wherein

the each corresponding common object is associated with the each corresponding intermediate record,

if the each corresponding intermediate record does not exists, creating the each corresponding intermediate record and the each corresponding common object, and

mapping the each of a plurality of source inventory location objects to the each common object, wherein

the plurality of common objects comprise the intermediate source inventory location information, and

after the converting, each of the plurality of common objects corresponds to a source inventory location object of the plurality of source inventory location objects, and

converting the intermediate source inventory location information into the target inventory location information, wherein

the target inventory location information is in the target format, and

updating at least one target inventory location record using the target inventory location information.

34. (Previously Presented) The method of claim 33, further comprising
determining whether a target inventory location record exists at a target system, wherein
the target system is another of the plurality of computer systems,
the target inventory location record is in the target format; and
if the target inventory location record exists at the target system, updating the target inventory location record with the target inventory location information, wherein
the updating is performed by an integration server, and
the updating comprises
causing the integration server to push the target inventory location information to the target system, and
if the target inventory location record does not exist at the target system,
creating the target inventory location record at the target system, and
storing the target inventory location information in the target inventory location record.

35. (Previously Presented) The method of Claim 1, wherein
the synchronizing is performed using an integration server,
the synchronizing is performed in response to a trigger received by the integration server, and
the trigger indicates that at least one of the plurality of source systems has indicated that the synchronizing should be performed.

36. (Previously Presented) The method of Claim 1, wherein the converting comprises:
generating updated target inventory location information by updating the target inventory location record using the target inventory location information, wherein
the synchronizing is performed using an integration server, and
the updating comprises
causing the integration server to push the target inventory location information to the target system.

37. (**Currently Amended**) The method of Claim 2, further comprising:

in response to the creation of the target inventory location record in the target system, transmitting an update message**, wherein**

the update message is configured to update the record associated with the source inventory location information.

38. (**Currently Amended**) The method of claim 37, further comprising:

in response to receiving the update message, updating [[the]] **a source inventory location** record **[[that]] , wherein**

the source inventory location record is associated with the source inventory location information**, and**

the updating causes the source inventory location record to indicate the target inventory location record.